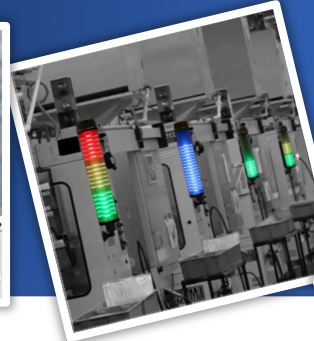
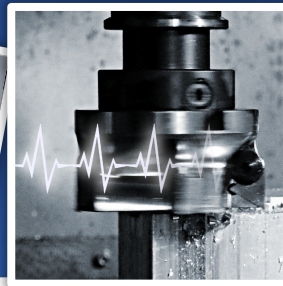


Success Stories

We would like to share our success with you!



Tool Wear Compensation

Series #: J4899

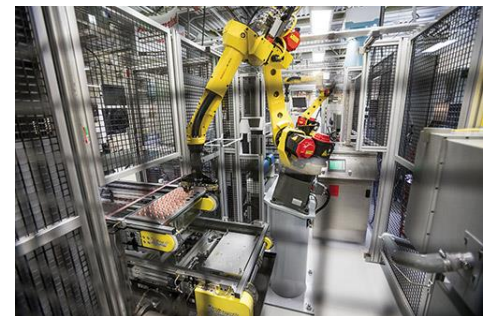
Product: AutoComp

The Situation

Industry: Contract Manufacturing
Machine: Swiss-type Tsugami CNC machines, with two FANUC LR Mate 200iD
Control: Fanuc 32i

The customer wanted a fully automated work cell, with a goal of increasing productivity by 50%.

The Solution



The company implemented multiple systems to increase productivity by 200%. One of these systems being Caron Engineering's AutoComp software.

"The automated cell uses in-process inspection, which saves the company both time and labor costs. The robot performs a thorough inspection process for quality-control purposes, taking the last part to be placed in a tray through an ultrasonic wash station, then to a CMM for inner-diameter measurement and a laser-profile inspection machine for outer-diameter measurement. The data is processed by Caron Engineering's AutoComp software and fed back to the producing machine to enable tool-wear compensation that maintains part accuracy. Software-driven inspection data for automatic tool offsets eliminates human error, thus improving product quality and reducing scrap." (Case Study, Modern Machine Shop, 3/1/2016)

Our cutting-edge machine tool process technologies, coupled with premium machine tool solutions, and our combined support, training, and applications expertise have provided the metal cutting manufacturing industry with unparalleled productivity, reliability, and cost effectiveness.